



# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management Solid Waste Section

<b>UNIT TYPE:</b>												
Lined MSWLF	<b>X</b>	LCID		YW		Transfer		Compost		SLAS		COUNTY: Cabarrus PERMIT NO.: 13-04 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incineration		T&P		FIRM		
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

**Date of Site Inspection:** February 22, 2012

**Date of Last Inspection:** July 19, 2011

**FACILITY NAME AND ADDRESS:**

BFI-Charlotte Motor Speedway Landfill V  
 5105 Morehead Road  
 Concord, North Carolina 28027

**GPS COORDINATES:** N: 35.35196 W: 80.66805

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Name: Bart Keller  
 Telephone: (704) 262-6002  
 Email address: tkeller@republicservices.com

**FACILITY CONTACT ADDRESS:**

Same as above

**PARTICIPANTS:**

Mike Gurley, Environmental Manager  
 Cotton Spry, Republic Services, Inc.  
 Jason Watkins, NCDENR-Solid Waste Section  
 Teresa Bradford, NCDENR-Solid Waste Section

**STATUS OF PERMIT:**

Amendment 11 for the Permit to Operate Cell 2I was issued on May 4, 2011. The permit shall expire on May 5, 2016. Pursuant to 15A NCNAC 13B. 0201(e), no later than October 5, 2015, the owner or operator must submit a request to the Section for permit review prepared in accordance with Section .1603(a)(2) or (3) as applicable, and must update pertinent facility plans including, but not limited to, the facility operation and waste screening plans.

**PURPOSE OF SITE VISIT:**

Partial Inspection

**STATUS OF PAST NOTED VIOLATIONS:**

None

**OBSERVED VIOLATIONS**

- 15A North Carolina Administrative Code 13B .1626(2)(a) states:** *Except as provided in Sub-Item (b) of this Item, the owners or operators of all MSWLF units must cover disposed solid waste with six inches of earthen material at the end of each operating day, or at more frequent intervals if necessary, to control disease vectors, fires, odors, blowing litter, and scavenging.*

**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 3 of 3

During the inspection, inadequate cover was observed on the eastern slope of Phase 3-Cell 2I where disposal operations had not been active in at least two weeks. A minimum of six inches of earthen material must be provided to all inactive areas of the eastern slope of Phase 3-Cell 2I within **10 days** of receipt of this inspection report.



View of inadequate cover on the eastern slope of Phase 3-Cell 2I.



View of inadequate cover on the eastern slope of Phase 3-Cell 2I.

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

**ADDITIONAL COMMENTS**

1. The facility consists of a MSWLF and a drop-off convenience area for residential waste.
2. The facility is permitted to receive solid waste generated from within the City of Concord, Cabarrus County, the State of North Carolina and the following counties in the State of South Carolina: Cherokee, York, Lancaster, Chesterfield and Chester.
3. Waste was being placed in Phase 3-Cell 2I at the time of the inspection.
4. The facility is currently accepting approximately 3,700 tons of waste is each operating day.
5. Take measure to ensure that the working face is kept as small as feasible.
6. Edge of waste markers were in place and being maintained.
7. Roadways were well maintained.
8. Automobile shredder fluff mixed with soil, petroleum contaminated soil, tarps and foundry sand are approved as alternative daily cover when used as per the approved demonstration project reports. Areas observed during the inspection where the shredder fluff was being used (especially slopes) appear to be less resistant to weather conditions causing eroded areas and exposed waste. It was recommended to facility staff that these areas be observed and maintained on a more frequent basis and/or alternate thickness, ratio of fluff to soil, etc. to ensure proper cover is maintained.
9. The leachate storage lagoon had adequate freeboard space. Additional treatment is available in the leachate pre-treatment facility located adjacent to the leachate lagoon. The leachate is discharged to the Rocky River Waste Water Treatment Plant.
10. 15A North Carolina Administrative Code 13B .1626(11)(c) states "Methods such as fencing and diking shall be provided within the area to confine solid waste subject to be blown by the wind. At the conclusion of each day of

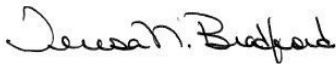
**FACILITY COMPLIANCE INSPECTION REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 3 of 3

operation, all windblown material resulting from the operation shall be collected and returned to the area by the owner or operator.” During the inspection, conditions were windy and as such windblown litter was observed on the eastern slope of Phase 3-Cell 2I, the stormwater ditch beyond the eastern slope and within the basin located at the outlet of the ditch line leading to the basin. Windblown material within the ditch and sediment basin can lead to waste being in contact with stormwater and lead to issues with leachate outside of the lined landfill. The facility has portable fencing and windblown litter was being collected by two permanent employees, in addition to requesting additional temporary staffing for the next day. The facility immediately took action to clean out the sediment basin and was working to clean out the stormwater ditch by the end of the inspection. In addition, other operational options related to the management of windblown waste were discussed in detail that may help reduce your exposure at/near the working face such as alternating disposal locations, educating drivers about cleaning out trucks, etc.

11. The lower perimeter berm at the edge of liner (above the aforementioned stormwater ditch) along the eastern slope of Phase 3-Cell 2I must be maintained, especially areas where equipment move across it, to allow adequate sediment and stormwater storage/diversion. In addition, it was recommended that an operational berm also be maintained below areas of active waste placement. Failure to maintain the above items potentially allows leachate generated from active areas to flow down the slope and off the liner into the stormwater ditch.

Please contact me if you have any questions or concerns regarding this inspection report.



Teresa N. Bradford  
Environmental Senior Specialist  
***Regional Representative***

Phone: (704) 235-2160.

Sent on: <u>3/9/12</u>		Email		Hand delivery	<b>X</b>	US Mail (with NOD)	Certified No. <u>[7009 2250 0004 3265 7794]</u>
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cc: Mark Poindexter, Field Operations Branch Head  
Jason Watkins, Western District Supervisor  
Shawn McKee, NCDENR-Solid Waste Section  
Mike Gurley, Republic Services, Inc.